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IPU

Docket No. 2629-4036

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Lazar, James G. et al.

Group Art Unit: 1631

Serial No.: 10/735,082

Examiner: TBA

Filed: December 11, 2003

For: IMMUNOLOGICAL DETECTION OF RNA:DNA HYBRIDS ON MICROARRAYS

Customer ID: 27123

EXPRESS MAIL CERTIFICATE

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

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Date of Deposit: March 8, 2006

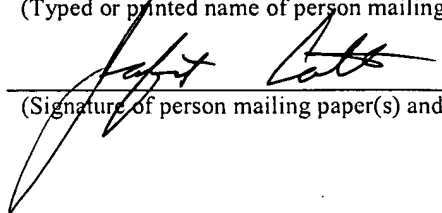
I hereby certify that the following attached paper(s) and/or fee

1. Supplemental Information Disclosure Statement (1 page);
2. Form-PTO 1449 (2 pages);
3. Thirty nine (39) items cited in Form PTO-1449; and
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Jafet N. Cotto

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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Sir:

Pursuant to Rule 56, applicant hereby calls the attention of the Patent Office to the references listed on the attached Form PTO 1449.

Copy(ies) of these references:

- ☒ are attached (i.e., U.S. Patents, Foreign Patents, Other Documents)
- ☐ were filed in related application U.S. Serial No(s) , filed , respectively.
- ☐ are not required since the application was filed on or after June 30, 2003, and the disclosed references are U.S. Patents or Publications. see MPEP, 8th Edition, Revision No. 2, May 2004, Section 609, Part III A(2)(A).
- ☐ This document is being filed within three (3) months of the filing date of the application
- ☐ A check for the requisite fee of \$180 is enclosed.
- ☐ This document is being concurrently filed with the above-identified application
- ☐ This document is being concurrently filed with an Request for Continued Examination (RCE)
- ☒ This document is being filed prior to a first Office Action
- ☒ This document is accompanied by a Search Report/Communication cited in a corresponding PCT or foreign counterpart application.
- ☒ The Commissioner is hereby authorized to charge any additional fees which may be required for this Information Disclosure Statement, or credit any overpayment to Deposit Account No. 13-4500, Order No. 2629-4036. A DUPLICATE COPY OF THIS SHEET IS ATTACHED.

Respectfully submitted,
MORGAN & FINNEGAN, L.L.P.

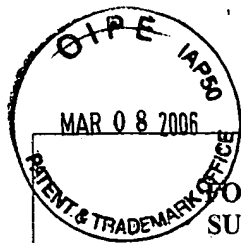
Dated: March 8, 2006

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FORM PTO-1449A SUPPLEMENTAL INFORMATION DISCLOSURE CITATION	Attorney Docket: 2629-4036	Serial No.: 10/735,082
	Applicant: James G. Lazar, et al.	
	Filing Date: December 11, 2003	Group Art Unit: 1631

U.S. PATENT / PUBLICATION DOCUMENTS

Examiner Initial		Patent/Publication Number	Publication/Issue Date	Name	Filing Date
	1.	4,732,847	March 22, 1988	Stuart et al.	12/29/82
	2.	4,833,084	May 23, 1989	Carrico	8/26/85
	3.	4,865,980	September 12, 1989	Stuart et al.	2/12/88
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	6.	5,981,179	November 9, 1999	Lorinez et al.	9/14/95
	7.	5,994,079	November 30, 1999	De La Rosa et al.	2/6/98
	8.	6,027,897	February 22, 2000	Lorincz, et al.	6/8/98
	9.	6,043,038	March 28, 2000	Sivaraja et al.	3/31/98
	10.	6,232,068 B1	May 15, 2001	Linsley et al.	1/22/99

FOREIGN PATENT DOCUMENTS

Examiner Initial		Patent Number	Publication Date	Country	Copy Filed	Translation
	11.	EP 02 88737A1	November 2, 1988	PCT	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	12.	WO 93 10263A	May 27, 1993	PCT	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	13.	WO 97 31256A	August 28, 1997	PCT	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	14.	WO 99 29909A	June 17, 1999	PCT	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	15.	WO 99 32654A	July 1, 1999	PCT	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	16.	WO 99 36571A	July 22, 1999	PCT	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	17.	WO 99 39001A	August 5, 1999	PCT	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	18.	WO 99 40224	August 12, 1999	PCT	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	19.	WO 00 60116A	October 12, 2000	PCT	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	20.	WO 01/36681	May 25, 2001	PCT	<input type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	21.	Blais, B.W., 1994 "Transcriptional Enhancement of the Listeria Monocytogenes PCR and Simple Immunoenzymatic Assay of the Product Using Anti-RNA:DNA Antibodies" Appl. Environ. Microbiol. 60:348-352.

Examiner	Date Considered
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	

FORM PTO-1449A SUPPLEMENTAL INFORMATION DISCLOSURE CITATION	Attorney Docket:	Serial No.:
	2629-4036	10/735,082
	Applicant:	
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	Filing Date:	Group Art Unit:
	December 11, 2003	1631

22.	Boguslawski et al., 1986 "Characterization of Monoclonal Antibody to DNA:RNA and Its Application to Immunodetection of Hybrids" <i>J. Immunol. Methods</i> 89:123-130.
23.	Coutlee et al., 1989 "Comparison of Colorimetric Fluorescent, and Enzymatic Amplification Substrate Systems in an Enzyme Immunoassay for Detection of DNA-RNA Hybrids" <i>J. Clin. Microbiol.</i> 27:1002-1007.
24.	Coutlee et al., 1989 "Immunodetection of DNA with Biotinylated RNA Probes: A Study of Reactivity of a Monoclonal Antibody to DNA-RNA Hybrids" <i>Anal. Biochem.</i> 181:96-105.
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27.	Coutlee et al., 1991 "Immunodetection of DNA with Biotinylated RNA Probes: A Study of Reactivity of a Monoclonal Antibody to DNA-RNA Hybrids" <i>Anal. Biochem.</i> 198:217 (Published erratum).
28.	Coutlee et al., 1991 "Detection of Transcripts of Human Papillomaviruses 16 and 18 in Cancer-derived Cell Lines and Cervical Biopsies by Enzyme Immunoassay for DNA-RNA Hybrids Following Solution Hybridization" <i>J. Clin. Microbiol.</i> 29:968-974.
29.	Ed M. Southern, "DNA chips: analyzing sequences by hybridization to oligonucleotides on a large scale," March 1996, <i>TIG</i> , Vol. 12, No. 3, pgs. 110-115.
30.	Lamoureux et al., 1997 "Detection of <i>Campylobacter jejuni</i> in Food and Poultry Viscera Using Immunomagnetic Separation and Microtitre Hybridization," <i>J. Appl. Microbiol.</i> 83:641-651.
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33.	Lockhart et al. "Expression monitoring by hybridization to high-density oligonucleotide arrays," Dec. 1996, <i>Nature Biotechnology</i> , Vol. 14, pgs. 1675-1680.
34.	Maldonado-Rodriguez et al. "Hybridization of Glass-Tethered Oligonucleotide Probes to Target strands Preannealed with Labeled Auxiliary Oligonucleotides," 1999, <i>Molecular Biotechnology</i> , vol. 11, pgs. 1-12.
35.	Newman et al., 1989 "Solution Hybridization and Enzyme Immunoassay for Biotinylated DNA:RNA Hybrids to Detect Enteroviral RNA in Cell Culture" <i>Mol. Cell Probes</i> 3:375-382.
36.	Stollar, B.D. and A. Rashtchian, 1987 "Immunochemical Approaches to Gene Probe Assays" <i>Anal. Biochem.</i> 161:387-394.
37.	Tominaga et al., "Colorimetric ELISA measurement of specific mRNA on immobilized-oligonucleotide-coated microtiter plates by reverse transcription with biotinylated mononucleotides," 1996, <i>Clinical Chemistry</i> 42, No. 11, pgs. 1750-1757.
38.	Viscidi et al., 1989 "Monoclonal Antibody Solution Hybridization Assay for Detection of Human Immunodeficiency Virus Nucleic Acids" <i>J. Clin. Microbiol.</i> 27:120-125.
39.	International Search Report for corresponding PCT Application No. PCT/US2004/041397.

Examiner	Date Considered
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